



Visual IC Recorder

Operating Instructions

Owner's Record
The model number is located at the rear and the serial number is located on the side panel of the unit. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. ICD-CX50 Serial No. _____

IC RECORDER ICD-CX50



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Packed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.
<http://www.sony.net>

For the customers in the USA

INFORMATION
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in the manual could void your authority to operate this equipment.

If you have any questions about this product, you may call Sony Customer Information Services Center 1-800-227-7669 or <http://www.sony.com/>.

Declaration of Conformity

Trade Name: SONY Model: ICD-CX50
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Espriito, San Diego,
CA 92127 U.S.A.

Telephone Number: 800-227-7669
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference, received, including interference that may cause undesired operation.

For the customers in the USA and Canada

RECYCLING LITHIUM-ION BATTERIES

Lithium-ion batteries are recyclable.

You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbc.org/>.

Caution: Do not handle damaged or leaking Lithium-ion batteries.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product must not be treated as household waste. Instead it shall be handed over to the applicable collection point for recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Applicable Accessories: Stereo headphones

The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area).

Notice for users

Program © 2005 Sony Corporation

Documentation ©2005 Sony Corporation

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Sony Corporation reserves the right to make any modification to this manual or the information contained herein at any time without notice.

The software described herein may also be governed by the terms of a separate user license agreement.

* This software is for Windows and cannot be used for Macintosh.

* The supplied connecting cable is for the IC recorders.

Information

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM THE USE OF THIS PRODUCT OR THE USE OF ANY PRODUCT.

* Before you record one-time events, you may want to make a trial recording to make sure that the IC recorder is working correctly.

* Compensation for damage that may be compensated for if recording or playback is not possible due to a malfunction of your IC recorder.

* Duplication edition, or transmission of a CD, TV programs, copyrighted materials such as pictures or music, or other materials that infringe on your own recordings or review is limited to private or domestic use only. Unless you hold copyright or have permission of copyright holders for the materials to be duplicated, use of these materials beyond what is permitted may violate the provisions of the copyright law and may be subject to the copyright holder's claim for damages.

* CHG (charge) lamp flashes in red and you cannot charge the battery.

* You are trying to charge the battery in a temperature exceeding the range suitable for charging the battery. Charge the battery within the temperature range of 5°C to 35°C (41°F to 95°F).

* ACCESS* indicator does not disappear.

* If the unit is required to process excessive amount of data, "ACCESS" may be displayed for an extended period of time. This is not a malfunction of the unit.

* Modification of others' portrayals may also infringe their rights. For some demonstrations, performances, or exhibits, photography may be forbidden.

Backup recommendations

To avoid potential risk of data loss caused by accidental operation or malfunction of the IC recorder, make sure to save a backup copy of recorded messages including sound and images to your PC using the supplied Visual and Voice Editor software.

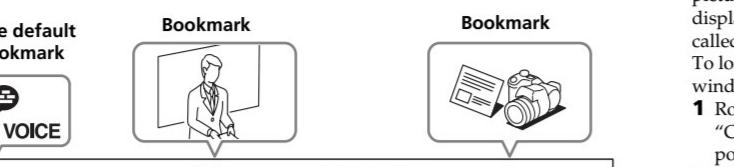
Please note that recorded messages may be erased during service or repair work.

Before you begin

What is the Visual IC recorder?

What you can do with the Visual IC Recorder and its camera function?

While recording sound as a message, you can shoot an image at the desired point. The shot image is recorded and added as a bookmark to the message. For example, when you record an important meeting, you can shoot an image as a reminder of the topic as follows:



Start recording sound of a meeting. Shoot an image of the speaker presenting an important topic. Shoot an image of a new product.

What is "Live View" - Loading the camera function?

To use the camera function, you need to elevate the camera lens ready for shooting and display live pictures from the lens on the display window. This mode is called "Live View". To load the camera view in the display window, do the following:

- 1 Rotate the lens mount to the "Camera (On/Off)" position.
- 2 Open the display cover.
- 3 Do either of the following:
 - Press **REC** (camera).
 - Press **CAPTURE**.

The Live View mode is activated and you can shoot an image by pressing **CAPTURE**.

Basic Operations

Recording a Message with Images

You can shoot an image as a bookmark while recording sound as a new message—Message with bookmarks. You can add the maximum of 99 bookmarks to a message.

You can record the maximum of 99 messages in each folder of the initially 5 folders (FOLDER01 to FOLDER05). When you add new message folders by using the supplied Visual and Voice Editor software, you can record the maximum of 1,000 messages in all folders.

Since a newly recorded message is automatically added behind the last recorded message, you can start recording quickly without searching for the end of the recording.

① Press **MESSAGE** ② Press **SPACE** ③ Newly recorded message

1 Release the HOLD function and open the display cover.

- ① Rotate the lens mount to the "HOLD off" or "HOLD on" position until it clicks into place.
- ② Slide open the cover to display the whole LCD display window.

No Message ST 000/000

When you do not press any key or button for approximately 15 seconds, the display will be turned off. To turn it on, press any key.

2 Start recording sound.

- ① Press **REC/PAUSE** during the stop.
- ② You do not need to keep pressing REC/PAUSE while recording.

Remaining memory indication Recording mode Remaining time indication Current message number/Number of messages in the folder Counter display* Message icon Remaining battery indication

- ③ Speak to the built-in microphone.
- ④ The display selected with the "Display" in the menu appears.

* The REC/PLAY indicator (lights in red during recording).

* The display selected with the "Display" in the menu appears.

3 Load the Live View in the display window.

- ① Rotate the lens mount further than "HOLD off" or "Camera off" position until it clicks into place at the next position ("Camera on (Open)"). The camera is activated and the display shows the live view from the lens.
- ② Speak to the built-in microphone.

When you do not operate the unit for approximately 30 seconds after the live view is activated, the live view mode will quit.

③ The display selected with the "Display" in the menu appears.

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Various Ways of Recording

Adding a Recording to a Message—Post-recording

You can add a recording to a previously recorded picture message without sound.

Notes
• You cannot add a recording to a message that contains sound.

• You cannot add a recording if the remaining memory is not long enough. For more information, see "Troubleshooting".

1 Rotate the lens mount to "HOLD off Camera off" or to other desired Camera angle position.

2 Select a desired message without recorded sound you want to add a recording.

3 Press MENU for more than one second, and press ▲ to select "Post-recording".

4 Press ▶II. The window to start post-recording is displayed.

5 Press ▲/▼ to select "Start" and press ▶II.

The menu mode exits and the recording starts immediately. See "Recording a Message with Images" to proceed with recording. You can add bookmarks as you like during recording.

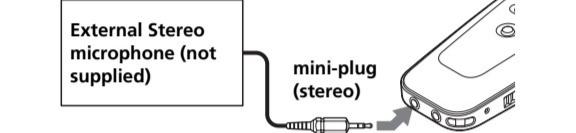
To stop recording
Press ■ (stop) before step 5 or select "Cancel" in step 4.

Recording with an External Microphone or Other Equipment

Recording with an external microphone

Connect an external microphone to the (microphone) jack.

When you connect an external microphone, the built-in microphone is automatically cut off. When a plug in power type equipment is connected, power is automatically supplied to the microphone from the IC recorder.



Notes
• Recommended types of microphone
You can use the ECM-CS10 Sony electret condenser microphone (not supplied).

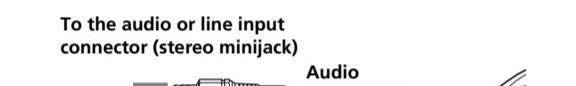
Recording from other equipment

To record the sound of other equipment to the IC recorder, connect the (microphone) jack of the IC recorder to the earphone jack of another piece of equipment (tape recorder, etc.) by using a resistance audio connecting cable.

Note
If you use an audio connecting cable without a resistor, sound may be recorded interrupted. Make sure to use a resistance audio connecting cable.

Recording with other equipment

To record the sound of the IC recorder with other equipment, connect the (headphones) jack of the IC recorder to the audio or line input connector (stereo minijack) of other equipment.



Notes
• Make sure that the plugs are connected securely.

• We recommend that you make a trial recording to check the connections and volume control.

• When connecting equipment other than Sony's, refer to the instruction manual of the equipment.

Shooting an Image while Playing Back a Message—Adding Bookmarks

You can shoot an image and add it as a bookmark to a previously recorded message.

Notes

• You cannot add a bookmark when the number of bookmarks in a message exceeds the maximum number.
• You cannot add a bookmark if the remaining memory is not long enough. For more information, see "Troubleshooting".

1 Open the display cover and rotate the lens mount to "HOLD off Camera off" position.

The message list is displayed. If folder list or bookmark list is displayed
Press ▲/▼ to switch to the message list view.

2 Press ▲/▼ to select the message you want to add a bookmark.

3 Press ▶II to start playback of the message.

4 Rotate the lens mount to "Camera (Open)" or other desired Camera angle position.

The live view is loaded in the display window and the unit becomes ready for shooting an image.

5 At the desired point you want to shoot an image, press CAPTURE to shoot an image.

The image is added as a bookmark to a message.

To load the live view again
If the message list is displayed, press □ (camera) to turn on the live view again in the display window.

6 Repeat steps to add bookmarks.

To stop playback
Press ■ (stop).
The added bookmarks in the bookmark list view

Shooting an Image (Bookmark) as a New Message—Picture Message

You can shoot an image in stop mode and record the image (bookmark) as a new message without recorded sound (picture message). You can record only one image for a message. Sound can be added later. See "Adding a Recording to a Picture Message—Post-recording" for the details.

Notes

You cannot record a picture message if the remaining memory is not long enough or the maximum number of messages has already been recorded in the unit.

1 Rotate the lens mount to "HOLD off Camera off" or to other desired Camera angle position.

2 Select a desired message without recorded sound you want to add a recording.

3 Press MENU for more than one second, and press ▲ to select "Post-recording".

4 Press ▶II. The window to start post-recording is displayed.

5 Press ▲/▼ to select "Start" and press ▶II.

The menu mode exits and the recording starts immediately. See "Recording a Message with Images" to proceed with recording. You can add bookmarks as you like during recording.

To stop recording
Press ■ (stop) before step 5 or select "Cancel" in step 4.

Various Ways of Playback

Searching for a Bookmark, Message or Folder

You can specify the message or point you wish to start playback by switching the view and searching for a bookmark, message, or folder.

Notes

You cannot record a picture message if the remaining memory is not long enough or the maximum number of messages has already been recorded in the unit.

1 Open the display cover and rotate the lens mount to the "Camera on (Open)" or other desired Camera angle position.



The camera is loaded in the display window and the unit becomes ready for shooting an image.

2 Press CAPTURE shoot an image.

The image is saved as a new message without sound (picture message).

The image is displayed as the title image of the message in the message list and in the bookmark list.

3 Press ▶II.

The window to start post-recording is displayed.

4 Press ▲/▼ to select "Start" and press ▶II.

The menu mode exits and the recording starts immediately. See "Recording a Message with Images" to proceed with recording. You can add bookmarks as you like during recording.

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